

CONTINUOUS ALLOCATION
OF REAL-TIME TRAFFIC IN A
TELECOMMUNICATION SYSTEM

ABSTRACT OF THE DISCLOSURE

5 A method for continuous allocation of real-time (e.g.,
speech) traffic in a communication system is disclosed, whereby
a network allocates, for a timeslot or other medium, a unique
radio block for real-time traffic that immediately succeeds a
control block (or block otherwise non-allocable for real-time
10 traffic) which is also allocated for that timeslot. The unique
radio block is allocated to carry the unit of real-time traffic
displaced by the control block, along with the next unit of
real-time traffic. The two units of real-time traffic in the
allocated radio block are each conveyed in a half-rate mode,
15 while the real-time traffic in a normal radio block is conveyed
in a full-rate mode. In this way, the output signals of, for
example, a speech codec can be continuously allocated for
transmission.